

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S1    | 3    | ((("5953683") or ("6208936") or ("6702708"))).PN.  | USPAT  | OR               | OFF     | 2005/09/14 12:43 |
| S2    | 37   | ("4000658"   "4254465"   "4429469"   "4460964"   "4686772"   "4918824"   "5161311"   "5255442"   "5373857"   "5455591"   "5525901"   "5526022"   "5645077"   "5767669"   "5850624").PN. OR ("5953683"   "6208936").URPN. | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2005/09/14 13:17 |
| S3    | 21   | S2 and (compensation correction)   | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2005/09/14 13:17 |
| S4    | 7    | S3 and threshold   | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2005/09/14 13:27 |
| S5    | 2    | caritu.inv.  | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2005/09/14 13:42 |
| S6    | 1278 | "gradient descent"   | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2005/09/14 13:44 |
| S7    | 289  | S6 and sensor and (orientation position angle angular)   | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2005/09/14 13:44 |
| S8    | 275  | S7 and (calculate calculator compute determine)  | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2005/09/14 13:45 |
| S9    | 193  | S8 and threshold   | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2005/09/14 15:18 |
| S10   | 6    | S9 and (accelerometer magnetometer)  | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2005/09/14 13:52 |
| S11   | 307  | (702/151).CCLS.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/09/14 13:53 |
| S12   | 16   | S9 and comparator  | US-PGPUB; USPAT; USOCR                             | OR               | OFF     | 2005/09/14 15:19 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S13 | 3024 | (gradient steepest) adj descent   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/06 13:44 |
| S14 | 843  | S13 and (accelerometer acceleration angular yaw pitch roll)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/06 13:46 |
| S15 | 810  | S14 and (compare compared comparing difference threshold)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/06 13:46 |
| S16 | 635  | S13 and (angular yaw pitch roll)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/06 13:46 |
| S17 | 607  | S16 and (compare compared comparing difference threshold)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/06 13:46 |
| S18 | 523  | S17 and (repeat repeated iteratively iterations repeats repeating repetition) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/24 14:25 |
| S19 | 3093 | (gradient steepest) adj descent   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/24 14:26 |
| S20 | 655  | S19 and (angular yaw pitch roll)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/24 14:26 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S21 | 626 | S20 and (compare compared comparing difference threshold)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/24 14:26 |
| S22 | 541 | S21 and (repeat repeated iteratively iterations repeats repeating repetition)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/24 14:26 |
| S23 | 395 | S22 and (random pseudo\$1random randomly guess)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/24 14:32 |
| S24 | 8   | S23 and ((random pseudo\$1random randomly guess) with (compare compared comparing difference) with (actual real true measured)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/24 14:45 |